

IN THE UNITED STATES PATENT DESIGNATED OFFICE (DO/US)  
(National Phase of International App.: PCT/GB00/00322, W/O 00/46618)

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In re the application of:

**Paulo Vicente DA SILVA MARQUES et al.**

International Application No.: **PCT/GB00/00322**

International Filing Date: **07 February 2000**

U.S. Serial No.: **Not Yet Assigned**

Filed: **Herewith**

For: **WAVEGUIDE FOR AN OPTICAL CIRCUIT  
AND METHOD OF FABRICATION THEREOF**

Attorney Docket No.: **MCW-001US**

**BOX PCT**

Commissioner for Patents  
Washington, D.C. 20231

**PRELIMINARY AMENDMENT**

Dear Sir:

Preliminary to examination of the above-referenced patent application, please amend the enclosed above-titled International patent application as follows.

**In the Claims**

Please amend claims 3, 5-10, 12, 13, 16-20, 22, 23, 25, 27, 29, 32, 35, 37, 39, 40, 53, 62, 63, 65, 67, 69-71, 73, 75, 76 and 79 as follows:

3. (Amended) A waveguide as claimed in Claim 1, wherein the ion diffusion region surrounding the waveguide core forms a substantially rounded waveguide core.

5. (Amended) A waveguide as claimed in Claim 1, further including a buffer layer formed on the substrate and wherein the lower cladding layer is formed on the buffer layer.